

## **A METHOD FOR SYNCHRONIZING RASTER AND VECTOR MAP IMAGES**

### **ABSTRACT OF THE DISCLOSURE**

5 A system and method for coordinated manipulation of multiple  
displayed maps, even when the maps use different internal coordinate  
systems. According to this embodiment, each map image to be displayed is  
first georeferenced, to provide a set of conversion functions between each  
map's internal coordinate system and a geographic coordinate system, which  
10 is latitude/longitude in the preferred embodiment. After this is done, any  
point on each map can be referenced using the geographic coordinate set.  
Since this is the case, the maps can now be manipulated, edited, and  
annotated in a synchronized manner, by defining the manipulations in terms  
of the geographic coordinate system, and using the georeferencing functions  
15 to translate the manipulation to each map's internal coordinate system.